

CLAIMS

1. A video storage type communication device, comprising a transmitting portion for transmitting video data and a receiving portion for receiving video data over a communication network, a first video storage portion for storing received video data and a communication control portion for carrying-out video-communications by controlling the above-mentioned portions, which includes a specially reproducible video generating portion for generating, from received coded video data, video information to be specially reproduced, for example, by rapid feeding, and a second storage portion for storing the video information from the specially reproducible video generating portion.

2. A video storage and communication device according to claim 1, characterized by providing a reproduction control portion for controlling a process of calling for video data from the first video storage portion and the second video storage portion according to an instruction from the communication control portion, which makes it possible to selectively switching a reproduction mode from a normal reproduction to rapid forwarding/rapid reversing reproduction and vice versa.

3. A video storage and communication device according to claim 1, characterized in that the specially

reproducible video generating portion comprises a video restoring portion for restoring coded video data from the receiving portion, an intraframe/intrafield coding portion for selectively coding restored video information in an intraframe or intrafield coding mode and a specially reproducible video generation control portion for controlling the above-mentioned portions, which generates video information to be reproduced with rapid forward feeding and rapid reverse feeding.

4. A video storage and communication device according to claim 1, characterized in that the specially reproducible video generating portion comprises a video restoring portion for restoring coded video data from the receiving portion, an interframe/interfield coding portion for selectively encoding restored video information in an interframe or interfield coding mode and a specially reproducible video generation control portion for controlling the above-mentioned portions, which generates video information to be reproduced by rapidly forwarding and rapidly reversing.

5. A video storage and communication device according to claim 1, characterized in that the specially reproducible video generating portion comprises a video restoring portion for restoring coded video data from the receiving portion, a still picture coding portion for encoding restored video information in a still

picture coding mode and a specially reproducible video generation control portion for controlling the above-mentioned portions, which generates video information to be reproduced by rapidly forwarding and rapidly reversing.

6. A video storage type communication device, comprising a transmitting portion for transmitting video data and a receiving portion for receiving video data over a communication network, a video storage portion for storing received video data and a communication control portion for carrying-out video-communications by controlling the above-mentioned portions, which includes a specially reproducible video generating portion for generating, from received coded video data, video information to be specially reproduced, for example, by rapidly feeding, and a storage control portion for selecting video information from the receiving portion or the specially reproducible video generating portion and storing the selected video information into the video storage portion according to an instruction given from the communication control portion.

7. A video storage type communication device according to claim 6, characterized in that the communication control portion gives the storage control portion an instruction for selecting specially reproducible coded

video at a constant interval from the specially reproducible video generating portion.

8. A video storage type communication device according to claim 6, characterized in that a reproduction control portion for controlling a call for specially reproducible video information from video storage portion according to an instruction given from the communication control portion is provided for selectively switching video information to ordinarily reproducible or reproducible by rapidly forwarding or reversing.

9. A video storage type communication device according to claim 6, characterized in that the specially reproducible video generating portion comprises a video decoding portion for decoding coded video data from the receiving portion and a still-picture coding portion for encoding the video information restored by the video decoding portion by still-picture coding method and generates video information reproducible by rapidly forwarding and reversing.

10. A video storage type communication device comprising a transmitting portion for transmitting video data and a receiving portion for receiving video data over a communication network, a video storage portion for storing received video data and a communication control portion for carrying-out video-

communications by controlling the above-mentioned portions, which is provided with a video restoring portion for restoring coded video data received through the receiving portion and an intraframe coding portion for intraframely encoding the restored video (moving picture) data and stores the video data intraframely encoded by the intraframe coding portion in the video storage portion.

11. A video storage and communication device according to claim 10, characterized in that a video-reproduction control portion for controlling a process of calling for video data from the video storage portion according to an instruction from the communication control portion is provided for selectively switching a video-reproduction mode from a normal reproduction to rapid forwarding/rapid reversing reproduction and vice versa.

12. A video storage type communication device according to claim 11, characterized in that the video-reproduction control portion comprises a second video-restoring portion for restoring coded video data from the video-storage portion, an interframe coding portion for interframely encoding restored video-information, a reproduction selector switch for switching destinations of transmission of video data from the video storage portion, a reproduction control portion for controlling

the above-mentioned portions, which conducts encoding video data as the need be and switching from normal video-reproduction to rapid forwarding or reversing video-reproduction and vice versa.

13. A video storage type communication device according to claim 11, characterized in that the video-reproduction control portion comprises the second video-restoring portion for restoring coded video data from the video-storage portion, a still-picture coding portion for encoding restored video information into a still-picture coded data, the reproduction selector switch for switching destinations of transmission of video data from the video storage portion, a reproduction control portion for controlling the above-mentioned portions, which conducts encoding video data as the need be and switching from normal video-reproduction to rapid forwarding or reversing video-reproduction and vice versa.

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